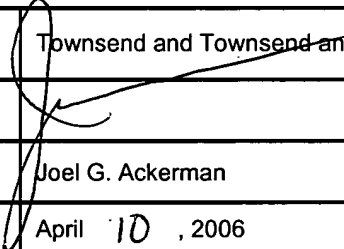
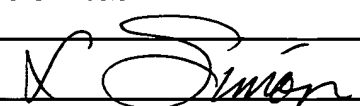


<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing) Total Number of Pages in This Submission: <b>8</b> *	Application Number	10/826,175
	Filing Date	April 15, 2004
	First Named Inventor	Guy, R. Kiplin
	Art Unit	1626
	Examiner Name	Michael F. Barker
	Attorney Docket Number	018062-006310US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard Copies of the 17 cited references
Remarks: The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. * This does not include the number of pages of the cited references.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Townsend and Townsend and Crew LLP	
Signature		
Printed name	Joel G. Ackerman	
Date	April 10, 2006	Reg. No. 24,307

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Lois M. Simón	Date	April 10, 2006

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2006

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180)

**Complete if Known**

Application Number	10/826,175
Filing Date	April 15, 2004
First Named Inventor	Guy, R. Kiplin
Examiner Name	Michael F. Barker
Art Unit	1626
Attorney Docket No.	018062-006310US

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Small Entity	Fee (\$)	Fee Paid (\$)
Each claim over 20 (including Reissues)	50	25	
Each independent claim over 3 (including Reissues)	200	100	
Multiple dependent claims	360	180	
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
15	20 or HP = 0	x \$25 =	\$0
<b>Multiple Dependent Claims</b>			
<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>		

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
2	-3 or HP = 0	x \$100 =	\$0

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	- 100 = _____	/ 50 = _____ (round up to a whole number) x _____	= _____	

**4. OTHER FEE(S)**

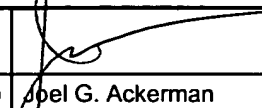
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of Information Disclosure Stmt

Fees Paid (\$)

180

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	24,307	Telephone	415-576-0200
Name (Print/Type)	Joel G. Ackerman			Date	April 10, 2006

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

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On April, 2006

TOWNSEND and TOWNSEND and CREW LLP

By: Lois M. Simón

Lois M. Simón

PATENT

Attorney Docket No.: 018062-006310US

Client Reference No.: SF02-032-2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

R. KIPLIN GUY et al.

Application No.: 10/826,175

Filed: April 15, 2004

For: SMALL MOLECULE INHIBITION  
OF A PDZ-DOMAIN INTERACTION

Examiner: Michael F. Barker

Art Unit: 1626

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

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representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

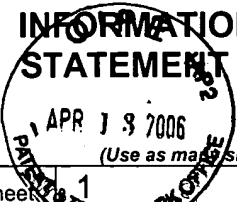
This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Joel G. Ackerman  
Reg. No. 24,307

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
Tel: 415-576-0200  
Fax: 415-576-0300  
JA:ja

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/826,175
		Filing Date	April 15, 2004
		First Named Inventor	Guy, R. Kiplin
		Art Unit	1626
		Examiner Name	Michael F. Barker
		Attorney Docket Number	018062-006310US
Sheet 1	of 3		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	US-6,256,547	07-24-2001	Yue et al.	
	AB	US-2002/0137129	09-26-2002	Barnes et al.	
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AS	WO	97/48697		12-24-1997	Rhone-Poulenc		<input type="checkbox"/>
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	AU							<input type="checkbox"/>
	AV							<input type="checkbox"/>
	AW							<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/826,175
				Filing Date	April 15, 2004
				First Named Inventor	Guy, R. Kiplin
				Art Unit	1626
				Examiner Name	Michael F. Barker
Sheet	2	of	3	Attorney Docket Number	018062-006310US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BA	FUJI et al., "Targeting PDZ-domain by rationally designed non-peptide small molecules", poster presentation at a conference of the American Society of Cell Biology, December 2002	<input type="checkbox"/>
	BB	HARRIS et al., "Mechanism and role of PDZ domains in signaling complex assembly"; Journal of Cell Science, 2001, vol. 114 pp. 3219-3231	<input type="checkbox"/>
	BC	LEE et al., "Multi-PDZ domain protein MUPP1 is a Cellular Target...", Journal of Virology, 2000, vol. 74 pp. 9680-9693	<input type="checkbox"/>
	BD	NOVAK et al., "Investigation of the PDZ domain ligand binding site using chemically modified peptides, 2002, Bioorganic & Medicinal Chemistry Letters, vol. 12 pp. 2471-2474	<input type="checkbox"/>
	BE	NOVAK et al., "Fishing-up PDZ by tagged-FJ-3; slide presented at a conference of the American Chemical Society, March 2003	<input type="checkbox"/>
	BF	NOVAK et al., "Small molecule inhibition of a PDZ domain interaction", poster presented at a conference of the American Society of Biochemistry and Molecular Biology, April 15, 2003	<input type="checkbox"/>
	BG	PONTING et al., "PDZ domains: targeting signalling molecules to sub-membranous sites", 1997, BioEssays vol. 19 pp. 469-479	<input type="checkbox"/>
	BH	SHIBATA et al., "EBP50, a beta-catenin-associating protein, enhances Wnt signaling...", 2003, Hepatology, vol. 38 pp. 178-186	<input type="checkbox"/>
	BI	STEMMER-RACHAMIMOV et al., "NHE-RF, A Merlin-interacting protein, is primarily expressed in...", 2001, American Journal of Pathology, vol. 158 pp. 57-62	<input type="checkbox"/>
	BJ	UEMATSU et al., "Wnt pathway Activation in mesothelioma", 2003, Cancer Research vol. 63 pp. 4547-4551	<input type="checkbox"/>
	BK	UEMATSU et al., "Activation of the Wnt pathway in non small cell lung cancer, 2003, Oncogene, vol. 22 pp. 7218-7221	<input type="checkbox"/>
	BL	WONG et al., "Direct bonding of the PDZ domain of Dishevelled to a conserved internal sequence in the C-terminal region of Frizzles, 2003, vol. 12 pp. 1251-1260	<input type="checkbox"/>

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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				<i>Application Number</i>	10/826,175
				<i>Filing Date</i>	April 15, 2004
				<i>First Named Inventor</i>	Guy, R. Kiplin
				<i>Art Unit</i>	1626
<i>Examiner Name</i>	Michael F. Barker				
Sheet	3	of	3	<i>Attorney Docket Number</i>	018062-006310US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BM	HULME et al., "The Synthesis and biological evaluation of a novel series of indole PDE4 inhibitors, 1998, Bioorganic & Medicinal Chemistry Letters, vol. 8 pp. 1867-1872	<input type="checkbox"/>

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Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.